



Patent
Attorney Docket No. 033304-021

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Zhen Fan Fu

Group Art Unit: 1648

Application No.: 10/730,029

Examiner: HANKYEL PARK

Filing Date: December 9, 2003

Confirmation No.: 3231

Title: ATTENUATED RABIES VIRUS WITH NUCLEOPROTEIN MUTATION AT THE PHOSPHORYLATION

**THIRD
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a **THIRD** Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

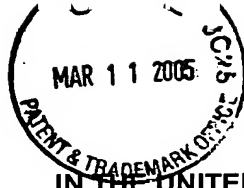
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By

Sharon E. Crane, Ph.D.

Registration No. 36,113

Date: March 11, 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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PHOSPHORYLATION)	
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)	

THIRD INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.


This Information Disclosure Statement contains information which is not in the English language but was cited in a search report or other action by a foreign patent office in a counterpart foreign application. In accordance with MPEP § 609 III A(3), an English language version of the search report or action which indicates the degree of relevance found by the foreign office is being submitted herewith.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date March 11, 2005

By: 
Sharon E. Crane, Ph.D.
Registration No. 36,113

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Substitute for form 1449A/PTO & 1449B/PTO		Complete if Known	
THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/730,029
		Filing Date	December 9, 2003
		First Named Inventor	Zhen Fan Fu
		Examiner Name	HANKYEL PARK
Sheet 1 of 1		Attorney Docket Number	033304-021

U.S. PATENT DOCUMENTS			
Examiner Initials	Document Number	Kind Code (if known)	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS												
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS							
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec	

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	ANZAI J. ET AL., "Identification of a Phosphatase-Sensitive Epitope of Rabies Virus Nucleoprotein which is Recognized by a Monoclonal Antibody 5-2-26," Microbiology and Immunology, 1997, pp. 229-240, Vol. 41, No. 3, Tokyo, Japan
	FU Z. F. ET AL., "Immunoprotection by Rabies Virus Nucleoprotein," Current Topics in Microbiology and Immunology, 1994, pp. 161-172, Springer, Berlin, Germany
	MEBATION T. ET AL., "Highly Stable Expression of a Foreign Gene from Rabies Virus Vectors," Proceedings of the Nat'l. Acad. Of Sci. of USA, July 1996, pp. 7310-7314, Vol. 93, Nat'l. Acad. Of Sci., Washington, DC, U.S.
	MORIMOTO, KINJIRO ET AL., "Pathogenicity of different rabies virus variants inversely correlates with apoptosis and rabies virus glycoprotein expression in infected primary neuron cultures," Jnl. of Virology, Jan. 1999, pp. 510-518, Vol. 73, No. 1, Amer. Soc. For Microbiology, U.S.
	MORIMOTO, K. ET AL., "Genetic engineering of live rabies vaccines," Vaccine, May 14, 2001, pp. 3543-3551, Vol. 19, No. 25-26, Butterworth Scientific, Guildford, GB
	TARTAGLIA J. ET AL., "NYVAC: A Highly Attenuated Strain of Vaccinia Virus," Virology, May 1, 1992, pp. 217-232, Vol. 188, No. 1, Academic Press, Orlando, FL
	Supplementary European Search Report

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.